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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,086	11/26/2001	Gerhard Schnabel	514413-3884	6212
20999 75	90 06/24/2003			
FROMMER LAWRENCE & HAUG			EXAMINER	
745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151			CLARDY, S	
			ART UNIT	PAPER NUMBER
			1616 DATE MAILED: 06/24/2003	10

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No. 09/890,086

Applicant(s)

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Schnabel et al

Examiner

S. Mark Clardy

Art Unit **1616** 



	The MAILING DATE of this communication appears	on the cover sheet with the correspondence address		
Period f	for Reply			
THE N	ORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION. itions of time may be available under the provisions of 37 CFR 1.136 (a). In a date of this communication.	TO EXPIRE MONTH(S) FROM  no event, however, may a reply be timely filed after SIX (6) MONTHS from the		
- If the p - If NO p - Failure - Any re	period for reply specified above is less than thirty (30) days, a reply within th	and will expire SIX (6) MONTHS from the mailing date of this communication.  The application to become ABANDONED (35 U.S.C. § 133).		
Status				
1) 💢	Responsive to communication(s) filed on Apr 14, 2	003		
2a) 🗌	This action is <b>FINAL</b> . 2b) 🗓 This act	ion is non-final.		
3) 🗆	Since this application is in condition for allowance $\epsilon$ closed in accordance with the practice under $\epsilon x$ particles.	except for formal matters, prosecution as to the merits is reference Quayle, 1935 C.D. 11; 453 O.G. 213.		
Disposit	tion of Claims			
4) 💢	Claim(s) <u>1-18</u>	is/are pending in the application.		
4	a) Of the above, claim(s) <u>18</u>	is/are withdrawn from consideration.		
5) 🗌	Claim(s)	is/are allowed.		
	Claim(s) 1-3, 14, and 15			
7) 💢	Claim(s) 4-13, 16, and 17	is/are objected to.		
8) 🗌	Claims	are subject to restriction and/or election requirement.		
	tion Papers			
9) 🗌	The specification is objected to by the Examiner.			
10)	The drawing(s) filed on is/are	a) $\square$ accepted or b) $\square$ objected to by the Examiner.		
	Applicant may not request that any objection to the d	rawing(s) be held in abeyance. See 37 CFR 1.85(a).		
11)	The proposed drawing correction filed on	is: a) $\square$ approved b) $\square$ disapproved by the Examiner.		
	If approved, corrected drawings are required in reply t	o this Office action.		
12)	The oath or declaration is objected to by the Exami	ner.		
Priority	under 35 U.S.C. §§ 119 and 120			
13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).				
a) 💢	☑ All b)☐ Some* c)☐ None of:			
•	1. $\square$ Certified copies of the priority documents have	e been received.		
:	2. $\square$ Certified copies of the priority documents have	e been received in Application No		
	application from the International Burea			
*Se	ee the attached detailed Office action for a list of the	· · · · · · · · · · · · · · · · · · ·		
14) 🗌	Acknowledgement is made of a claim for domestic			
a) L	<b></b>			
	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. §§ 120 and/or 121.		
Attachme	ent(s) tice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s).		
	tice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal Patent Application (PTO-152)		
	ormation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:		
• •		<u></u>		

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Claims 1-18 are pending in this application which has been filed under 35 USC 371 as a national stage application of PCT/EP00/00469, filed January 22, 2000. This application lacks unity of invention under 37 CFR 1.475 (MPEP 1850, 1893.03(d)).

In response to the requirement for restriction and election of species, applicants have elected the invention of Group I, claims 1-17, drawn to sulfonylurea compounds (see formula Ia, claim 3) and methods of making them (claims 14, 15, 17), compositions comprising them (claims 1-12), and their use as herbicides or plant growth regulators (claims 13, 16).

Claim 18, drawn to the (non-statutory) use of phosphonium or sulfonium salts of polyalkoxylated hydrocarbyl compounds of formula XVIII, has been held withdrawn from consideration as being drawn to an invention non-elected with traverse in Paper No. 9.

Applicants further elected, with traverse, the species within Group I comprising the sulfonylurea species of iodosulfuron-methyl SMe<sub>3</sub> (page 28, Table 4, compound 1).

Again, upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the relection, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Comparative data has been presented in Table 1 at the end of the specification (note that there is another Table 1 on page 25), but it cannot be determined whether the elected compound is any of the tested herbicides (identified as compounds 4.2, 3.6, or 4.14; presumably referring to Tables 3 and 4, pages 26 and 28).

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Claims 4-13, 16, and 17 are objected to under 37 CFR 1.75© as being in improper form because a multiple dependent claim may not depend from another multiply dependent claim. See MPEP § 608.01(n). Accordingly, the claims have not been further treated on the merits.

Note that claims 13, 16, and 18, which have been either withdrawn from consideration, or objected to, will be subject to a rejection under 35 USC 101 as being drawn to a non-statutory class of invention ("use"), should they be taken up for consideration on the merits.

Examination has proceeded for claims 1-3, 14, and 15.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hacker et al (PCT WO 96/41537) in view of Gesing et al (US 6,451,737) and Mayer et al (US 6,413,911).

Hacker et al teach that iodosulfuron-methyl was a known herbicidal agent (abstract,  $R^1=C_1$  alkyl; page 5, lines 22-33), and that agriculturally acceptable salts (e.g., Na, K, ammonium) were known to be herbicidally useful as well (page 6, lines 1-7). Trimethyl (or trialkyl) sulfonium salts are not disclosed.

Gesing et al and Mayer et al teach that, in addition to sodium, potassium, ammonium, and other conventional salts, the trimethylsulfonium salts of sulfonylurea herbicides were known in the

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art (Gesing et al, claim 1; Mayer et al, col 8, lines 16-41). The sulfonylurea compounds of Gesing

differ from iodosulfuron in the substituents on the phenyl ring, while the sulfonylurea herbicides of

Mayer et al differ in the 4,6-substituents on the triazine ring, and have non-fluorine halogen

substituents on the phenyl ring. Mayer et al also teaches the methods of making salts of sulfonylurea

herbicides.

One of ordinary skill in the art would be motivated to combine these references because they

teach that salts of sulfonylurea herbicides retain herbicidal utility.

Thus it would have been prima facie obvious to one of ordinary skill in the art at the time the

invention was made to have made the trimethylsulfonium salt of iodosulfuron because this herbicide

was known in the art and because the trimethylsulfonium salts, like the more common examples of

sodium, potassium, and ammonium salts, were known in the art.

It cannot be determined from the data presented in the specification whether the elected

species has been tested in order to demonstrate unexpected results.

No unobvious or unexpected results are noted; no claim is allowed.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made

in order for the examiner to consider the applicability of 35 U.S.C. 103© and potential 35

U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any

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amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Mark Clardy whose telephone number is (703) 308-4550.

S. Mark Clardy

Primary Examiner AU 1616

June 23, 2003

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